

# **AGS/Booster PP Setup Status**

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Time Meeting

# Status

- Established beam with snake on in one hour after switching to Siemens on 2/8, before snow storm hit us.
- The polarization is about 67% ( $1.7 \times 10^{11}$ )-70% ( $1.3 \times 10^{11}$ ) with JQ on.
- The new jump quad control application works. We have changed horizontal tune several times. Every time the new timing function worked better.
- Scanned  $\sin 3v$  and  $\cos 3v$  in Booster. Confirmed  $h=4$  is spin flipped in the stable region.
- Done horizontal and vertical polarization profile measurements at injection.
- JQ timing scan shown visible polarization difference. This is different from last year.
- Booster input is about  $4 \times 10^{11}$ .

# AGS Operation not Affected by Snow

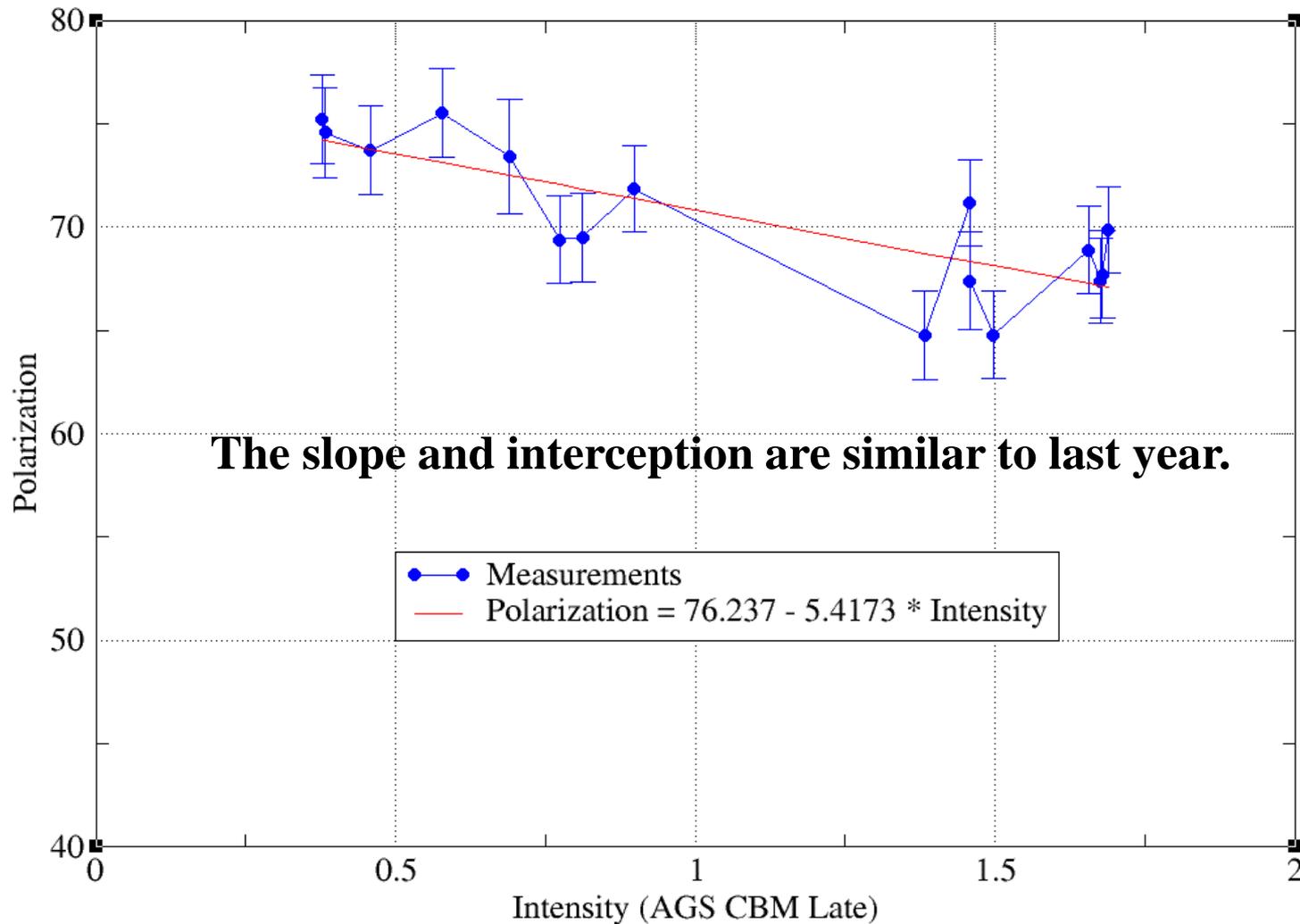
**Except waiting for plowing snow to access Bldg. 914.**



**Special thanks to operation group who stayed onsite during the snow storm: Chris Naylor, Catlin Harper, Jordan Ziegler, Brian van Kuik, Reid Smith and many more.**

# First Polarization Intensity Scan

← →  
↓ ↑  
AutoT  
AutoO  
ZX ZY  
AX AY  
PZ Pu  
Po Cy  
SD:1  
CW:0  
Exit



# Job List

- AGS ring access to fix a dead Si detector tomorrow (open vacuum).
- Continue to tune AGS for smaller emittance and higher polarization.
- Will monitor the polarization throughout the RHIC setup period.
- Prepare for radial jump test.
- Reduce the AGS cycle time to 3.3 sec after we get jump quads operation stabilized with 4 sec.
- Wait for chance to test two bunch mode in the AGS.
- Ramp measurement to higher energy while waiting for extraction-on-the-fly test.